

CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1, 4, 5, 7-12, 14, 15, and 17-32.
- After this Amendment: Claims 1, 4, 5, 7-12, 14, 15, and 17-32.

Previously Canceled or Withdrawn claims: Claims 2, 3, 6, 13, and 16.

Claims Canceled or Withdrawn Herein: None.

Claims Amended Herein: Claims 1, 12, 15, 22, and 28-32.

New claims: None.

Claims:

1. (Currently Amended) A method for localizing information resources relevant to a user, the method implemented at least in part by a computing device, comprising:

establishing an extensible list of attributes of various information resources in an information system and assigning a user-selectable priority weight to each of the attributes in the list of attributes, wherein each information resource is classified according to one or more attributes;

establishing an extensible list of values for the attributes in the extensible list of attributes, wherein each value is associated in the list with its corresponding attribute;

selecting a first set of one or more of the values from the extensible list of values to be a first set of target criteria to designate a subset of the information resources relevant to the user based at least in part on priority weights selected by the user, wherein the user-selectable priority weights of each attribute associated with a value in the first set of target criteria are added to obtain a priority sum for the first set of target criteria;

selecting additional sets of target criteria to designate a spectrum of subsets of the information resources relevant to the user, wherein the additional sets of target criteria include priority weights selected by the user, and wherein the priority weights of each attribute associated with a value for each of the additional sets of target criteria are added respectively to obtain different priority sums for each of the additional sets of target criteria;

comparing ~~a priority sum~~ the different priority sums of each additional set of target criteria to the priority sum of the first set of target criteria to determine whether each of the additional sets of target criteria designates a more general or a more specific subset of information resources relevant to the user than designated by the first set of target criteria; and

localizing information resources and content elements in the information system for the user of the information system by presenting the user with one or more of the subsets of the information resources relevant to the user which are designated by one or more of the first set of target criteria and the additional sets of target criteria.

2-3. (Canceled)

4. (Previously Presented) The method as recited in claim 1, wherein each information resource includes one or more content elements and each content element can be classified according to one or more attributes.

5. (Original) The method as recited in claim 4, wherein each resource and each content element in each resource is linked with a set of target criteria and if a resource is designated as a member of a subset by a set of target criteria then priority sums of each respective set of target criteria linked to each content element in the resource are compared to the priority sum of the set of target criteria linked to the resource to rank the content elements in the resource according to similarity with the priority sum of the set of target criteria linked to the resource.

6. (Canceled)

7. (Original) The method as recited in claim 1, wherein a database structure of the information system remains unchanged during expansion and contraction of the extensible list of attributes and the extensible list of values.

8. (Original) The method as recited in claim 7, further comprising adding attributes to the extensible list of attributes.

9. (Original) The method as recited in claim 8, further comprising adding values associated with the added attributes to the extensible list of values.

10. (Original) The method as recited in claim 9, further comprising selecting a set of values including one or more of the added attributes to designate a subset of the information resources with greater specificity.

11. (Original) The method as recited in claim 1, wherein each value of each attribute of each information resource is included in the extensible list of values.

12. (Currently Amended) One or more computer-readable media encoded with a data structure for use in comparing a priority sum of a first set of target criteria with different priority sums of additional sets of target criteria to determine whether each of the different sets of target criteria designates a more general or a more specific subset of content resources relevant to the user than designated by the first set of target criteria, the data structure comprising:

an extensible table of attributes, wherein various content elements in an information system possess values of the attributes and wherein

each attribute in the extensible table of attributes is associated with a priority weight assigned by a user and which is used for weighting purposes during a localization of content elements relevant to the user;

an extensible table of values of the attributes, wherein each value is associated with its corresponding attribute, and wherein each attribute is associated with a priority weight selected by the user; and

multiple sets of one or more values, taken from the extensible table of values to designate multiple subsets of content elements relevant to the user, wherein one of the multiple sets represents a first set of target criteria, and wherein others of the multiple sets represent different sets of target criteria, and wherein a priority weight of each attribute associated with each value in each set is summed to determine a priority sum of the respective set and the priority sums of respective sets in the multiple sets can be compared to determine ~~similarities and differences between~~ subsets of content elements designated by the multiple sets whereby the content elements relevant to the user can be localized whether each of the different sets of target criteria designates a more general or a more specific subset of content resources relevant to the user than designated by the first set of target criteria.

13. (Canceled)

14. (Previously presented) The one or more computer-readable media as recited in claim 12, wherein the data structure further comprises a list of the multiple sets, wherein the list of multiple sets is arranged according to a numerical order of the respective priority sums of sets in the multiple sets.

15. (Currently Amended) A content management engine, comprising:

a classification engine to determine attributes of a plurality of information resources in an information system;

an attribute table manager in communication with a dynamic table of attributes and priorities, wherein the dynamic table of attributes and priorities includes the attributes of the plurality of information resources;

a prioritizer which accepts user input to assign priority weights to each attribute in the table of attributes and priorities;

a values table manager in communication with a dynamic table of values, wherein each value and its associated attribute possessed by one of the information resources is represented in the table of values;

a target criteria engine to create target criteria sets of one or more of the values, wherein a target criteria set designates a subset of the information resources in the information system based on the one or more values; and

a localization engine to make information resources in the subset available to a user of the information system, having a target criteria set comparator to compare a priority sum of user-assigned priority weights assigned by a user for a first target criteria set to a priority sum of user assigned priority weights assigned by the user for a second target criteria set to determine which of first and second target criteria sets locate information resources which are more relevant to the user, wherein a priority sum is the sum of the priority weights of the values in a given target criteria set.

16. (Canceled)

17. (Previously presented) The content management engine as recited in claim 15, wherein the target criteria sets are stored by the content management engine.

18. (Original) The content management engine as recited in claim 17, wherein the target criteria sets are ranked according to their respective priority sums.

19. (Original) The content management engine as recited in claim 17, wherein the target criteria set comparator compares a priority sum of a target criteria set requested by a user to a priority sum of a stored target criteria set.

20. (Original) The content management engine as recited in claim 15, further comprising a target criteria set link module to link a preferred target criteria set to each information resource and each content element included in each information resource.

21. (Original) The content management engine as recited in claim 20, further comprising a content ranking module to compare a priority sum of each preferred target criteria set linked to content elements included in an information resource to the priority sum of the target criteria set linked to the information resource and rank the content elements according to a comparison result.

22. (Currently Amended) One or more computer readable media containing instructions that are executable by a computer to perform actions, comprising:

associating priority weight values assigned by a user with attributes in a dynamic list of attributes associated with a plurality of information resources in an information system;

associating instances of attribute values with corresponding attributes in a dynamic list of attribute values;

designating subsets of the plurality of information resources based on sets of one or more of the attribute values, wherein each of the attribute values is associated with a priority weight value assigned by the user;

comparing the sets of one or more attribute values according to respective priority sums to determine which of the one or more of the subsets of the plurality of information resources are more relevant to the user, wherein a priority sum is obtained by summing priority weight values assigned by the user associated with each attribute corresponding to an attribute value in a set of one or more of the attribute values.

23. (Original) The one or more computer readable media as recited in claim 22, wherein each information resource includes one or more content elements possessing one or more of the attributes.

24. (Original) The one or more computer readable media as recited in claim 23, further comprising instructions to link each information resource and each content element in each information resource with a set of one or more of the attribute values and if an information resource is designated as a member of a subset by a set of one or more of the attribute values then to rank each content element in an information resource according to a difference between a priority sum of a set of one or more of the attribute values linked to the content element and a priority sum of a set of one or more of the attribute values linked to the information resource, wherein a priority sum is a sum of each priority weight value of each attribute associated with each attribute value in a set of one or more attribute values.

25. (Original) The one or more computer readable media as recited in claim 24, further comprising instructions to localize information resources and content elements in the information system for a user of the information system by providing an interface between the user and one or more of the subsets of the information resources and content elements of each information resource in the one or more subsets.

26. (Original) The one or more computer readable media as recited in claim 22, further comprising instructions to add attributes to the dynamic list of attributes.

27. (Original) The one or more computer readable media as recited in claim 26, further comprising instructions to add attribute values associated with the added attributes to the dynamic list of attribute values.

28. (Currently Amended) ~~An information system, embodied at least in part as a computing device~~ A computing system, comprising:

an information system including:

a plurality of information resources, each having one or more attributes;

an extensible table of the attributes, wherein each attribute is assigned a priority weight by a user;

an extensible table of values for the attributes, wherein each value is associated with its corresponding attribute; and

sets of the values, wherein each set specifies a subset of the information resources relevant to the user, and wherein each set can be differentiated as being a more general or a more specific subset of information relevant to the user by the sum of the priority weights assigned by the user to each attribute represented by a value in each set; and

a content management engine, including:

a classification engine to determine the attributes of the

plurality of information resources in the information system;

an attribute table manager in communication with the extensible table of attributes, wherein the extensible table of attributes includes the attributes of the plurality of information resources;

a prioritizer which accepts user input to assign the priority weights to each attribute in the extensible table of attributes;

a values table manager in communication with the extensible table of values, wherein each value and its associated attribute possessed by one of the information resources is represented in the extensible table of values;

a target criteria engine to create target criteria sets of one or more of the values, wherein a target criteria set designates a subset of the information resources in the information system based on the one or more values; and

a localization engine to make information resources in the subset available to a user of the information system, having a target criteria set comparator to compare a priority sum of priority weights assigned by the user for a first target criteria set to a priority sum of priority weights assigned by the user for a second target criteria set to determine which of first and second target criteria sets locate information resources which are more relevant to the user, wherein a priority sum is the sum of the priority weights of the values in a given target criteria set.

29. (Currently Amended) The information computing system as recited in claim 28, wherein the extensible table of the attributes and the extensible table of values can be expanded without changing a database structure of the information system.

30 (Currently Amended) The information computing system as recited in claim 28, wherein each information resource includes various content elements.

31. (Currently Amended) The information computing system as recited in claim 30, wherein an information resource and each content element is associated with a preferred set of values for specifying a subset of information resources that includes the information resource or the content element.

32. (Currently Amended) The information computing system as recited in claim 31, wherein a content element included in an information resource is ranked relative to other content elements in the information resource according to a magnitude of a difference between a priority sum associated with the content element and a priority sum associated with the information resource, wherein a priority sum is a sum of weights of each attribute represented by a value in the preferred set of values associated with each information resource and each content element.